

EUROPLEX® R grey 99775 H

Rail Interior Application

Product

EUROPLEX® R 99775 H is a grey colored sheet material based on a polyphenylsulfone. The sheet is manufactured with a matte texture (hair cell) on one side.

Properties

EUROPLEX® R 99775 H shows excellent flame retardant properties and meets the highest fire safety standards for rail interior applications.

- Meets the R1 requirement set acc. EN45545-2:2013 standard for hazard level HL3
- Offers high chemical resistance as well as good mechanical properties
- High impact resistance over a broad temperature range

Applications

It is ideally suitable for vacuum deep drawing and can be used to thermoform large parts for rail interior application.

Processing

Technical Manual EUROPLEX® Thermoforming and Fabrication Guide

Product range

The sheet is available in dimension 1400 mm X 2675 mm and thicknesses ranging from 1.0 mm to 3.0 mm

Technical data

Property	Unit	Typical Value
Density ISO 1183	g/cm ³	1.39
Modulus of elasticity ISO 527-2	MPa	2600
Yield stress ISO 527-2	MPa	70
Tensile strain at break ISO 527-2	%	68
Vicat ISO 306	°C	220
Max.service temperature	°C	190
Marhe ISO 5660-1	KW/m ²	20
CFE ISO 5658-2	KW/m ²	40
Smoke Generation ISO 5659-2 Ds (4)		50
Smoke Generation ISO 5659-2 VOF4	min	65
Toxic Gas EN45545-2:2013 CIT G		0.25

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Certified to DIN EN ISO 9001 (Quality) and DIN EN ISO 14001 (Environment)

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